

APPENDIX B

Renumbered, allowed claims in parent application serial number 09/521,557.

1. A method of preparing a fertile transgenic cereal plant having an altered transgene insertion comprising:

a) obtaining a first fertile transgenic cereal plant homozygous for a transgene insertion DNA sequence, wherein the transgene insertion DNA sequence comprises a pre-selected DNA sequence flanked by directly repeated DNA sequences, wherein said directly repeated sequences are not recognized by a site-specific recombinase enzyme;

b) obtaining a plurality of progeny of any generation of the first fertile transgenic cereal plant; and

c) selecting a progeny fertile transgenic cereal plant wherein at least a portion of the transgene insertion is altered as compared to the first fertile transgenic cereal plant.

2. The method of claim 1 wherein the pre-selected DNA sequence comprises a selectable marker gene or a reporter gene.

3. The method of claim 1 wherein the pre-selected DNA sequence comprises a *bar*, *nptII*, or *cryIA(b)* gene.

4. The method of claim 1 wherein at least a portion of the transgene insertion is altered in that it has been deleted, amplified, or rearranged.

5. The method of claim 1 wherein the cereal plant is a maize, barley, wheat, rye or rice plant.

6. The method of claim 5 wherein the plant is a maize plant.

7. The method of claim 1 wherein the plurality of progeny plants are obtained by self pollination.

8. The method of claim 1 wherein the plurality of progeny plants are obtained by outcrossing to produce hybrid progeny.

9. The method of claim 1 wherein the plurality of progeny plants are obtained by inbreeding to produce inbred plants.